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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,430	09/29/2003	Pierre Chavanne	80398P568	6195

8791 7590 07/15/2005

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EXAMINER

ZAND, KAMBIZ

ART UNIT	PAPER NUMBER
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2132

DATE MAILED: 07/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/675,430

Applicant(s)

CHAVANNE ET AL.

Examiner

Kambiz Zand

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04/14/2005 & interview on 07/12/05.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-9,11,12,14-20,22-24,26-31,33-35,37-42 and 44 is/are rejected.
- 7) ☒ Claim(s) 2,10,13,21,25,32,36 and 43 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

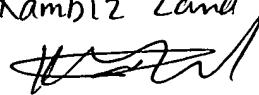
**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

Kambiz Zand  


**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. <u>07/12/05 enclosed</u> . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)   |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____.   |

### **DETAILED ACTION**

1. The text of those sections of Title 35, U.S. Code not included in this section can be found in the prior office action.
2. The prior office actions are incorporated herein by reference. In particular, the observations with respect to claim language, and response to previously presented arguments.
3. Claims 1-44 are pending.

### **Drawings**

4. New formal drawings are required in this application because the examiner objected to original drawings of fig. 3a-c and 3e by the applicant. Correction is requested.

### ***Response to Arguments***

5. Applicant's arguments filed 04/14/2005 and Applicant's attorney's interview arguments on 07/12/2005 have been fully considered but they are not persuasive with respect to claims 1, 3-9, 11-12, 14-20, 22-24, 26-31, 33-35, 37-42 and 44. Applicant's arguments presented relate to claims 2, 10, 13, 21, 25, 32, 36 and 43 and they are persuasive. The rejections of the above claims have been withdrawn.

***Claim Rejections - 35 USC § 102***

6. **Claims 1, 3-9, 11-12, 14-20, 22-24, 26-31, 33-35, 37-42 and 44** are rejected under 35 U.S.C. 102(b) as being anticipated by Gilley (6, 249,582 B1).

**As per claims 1, 8, 12, 19, 23, 30, 34 and 41** Gilley (6, 249,582 B1) teach a computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method, the method comprising: encrypting digital content using an encryption key and a calculated initialization vector (IV), wherein the digital content comprises a plurality of strides, each stride comprising a string of data to be encrypted and a block of data, and the calculated IV derived from each string of data from each stride (see abstract; fig.3; col.5, lines 47-67; col.6, lines 1-12 and 53-67; col.7-11; col.12, lines 1-6).

**As per claims 3, 9, 14, 20, 24, 31, 35 and 42** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 8, 12, 19, 23, 30, 34 and 41, wherein the calculated IV is further derived from each string of data using an exclusive disjunction (XOR) function (see fig.1-4 and associated text).

**As per claims 4, 15, 26 and 37** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 12, 23 and 44, wherein each string of data is encrypted using an advance encryption standard cipher with an electronic codebook mode (see col.8, lines 32-34 and 38-57; col.9, lines 32-63).

**As per claims 5, 16, 27 and 38** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 12, 23 and 34, wherein each block of data is encrypted using an advance encryption standard cipher with a cipher block chaining mode (see col.8, lines 31-33 and 58-65).

**As per claims 6, 17, 28 and 39** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 12, 23 and 34, wherein each string of data comprises a pre-determined number of bytes of a stride of an access unit (see col.6, lines 53-63; col.7, lines 45-53).

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**As per claims 7, 11, 18, 22, 29, 33, 40 and 44** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 8, 12, 19, 23, 30, 34 and 41, wherein the digital content is a digital music file or a digital video file (see col.6, lines 42-45; fig.1-3).

***Allowable Subject Matter***

**7. Claims 2, 10, 13, 21, 25, 32, 36 and 43** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**Conclusion**

**8. THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is (571) 272-3811. The examiner can normally be reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kambiz Zand

07/12/2005

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